## AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

## **LISTING OF CLAIMS:**

1. (original) A compound represented by a formula [1]:

wherein  $R^1$  and  $R^2$  respectively represent a heavy or light hydrogen atom,  $R^3$  represents a heavy or light hydrogen atom or a methyl group in which three hydrogen atoms are respectively heavy or light hydrogen atoms,  $R^4$  represents a condensed ring group composed of a norbornane ring and a  $C_{5-7}$  hydrocarbon ring provided that at least one hydrogen atom contained in the condensed ring group is a heavy hydrogen atom.

- 2. (original) The compound of claim 1, wherein the  $C_{5-7}$  hydrocarbon ring is a saturated hydrocarbon ring.
- 3. (original) The compound of claim 1, wherein the  $C_{5-7}$  hydrocarbon ring is an unsaturated hydrocarbon ring.

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norbornane ring.

- 4. (original) The compound of claim 2, wherein the saturated hydrocarbon ring is selected from the group consisting of a cyclopentane ring, a cyclohexane ring and a
- 5. (original) The compound of claim 3, wherein the unsaturated hydrocarbon ring is selected from the group consisting of a cyclopentene ring, a cyclohexene ring and a norbornene ring.
- 6. (currently amended) The compound of any one of claims 1-to 5, wherein 20% or more hydrogen atoms contained in the compound are heavy hydrogen atoms.
- 7. (currently amended) The compound of any one of claims 1-to-5, wherein 40 % or more hydrogen atoms contained in the compound are heavy hydrogen atoms.
- 8. (currently amended) The compound of any one of claims 1-to 7, wherein the total number of light hydrogen atoms contained in the compound is not greater than 15.
- 9. (currently amended) The compound of any one of claims 1-to 8, wherein 10 % or more hydrogen atoms contained in R<sup>4</sup> are heavy hydrogen atoms.

- 10. (currently amended) The compound of any one of claims 1 to 9, wherein the total number of light hydrogen atoms contained in R<sup>4</sup> is not greater than 12.
- 11. (currently amended) The compound of any one of claims 1-to-10, wherein  $R^4$  is a tricyclo [5.2.1.0<sup>2, 6</sup>] decyl group, and at least one hydrogen atom contained in  $R^4$  is a heavy hydrogen atom.
  - 12. (original): A process for producing a compound represented by a formula [1]:

wherein  $R^1$  and  $R^2$  respectively represent a heavy or light hydrogen atom,  $R^3$  represents a heavy or light hydrogen atom or a methyl group in which three hydrogen atoms are respectively heavy or light hydrogen atoms,  $R^4$  represents a condensed ring group composed of a norbornane ring and a  $C_{5-7}$  hydrocarbon ring provided that at least one hydrogen atom contained in the condensed ring group is a heavy hydrogen atom;

comprising reacting an alcohol having a condensed ring group, in which at least one hydrogen atom is a heavy hydrogen atom, composed of a norbornane ring and a  $C_{5-7}$  hydrocarbon ring, with a compound represented by a formula [2]:

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$$\begin{array}{c}
R^{1} \\
C = C \\
R^{2}
\end{array}$$

$$\begin{array}{c}
C = X \\
0
\end{array}$$

$$\begin{array}{c}
C = X \\
0
\end{array}$$

wherein R<sup>1</sup> and R<sup>2</sup> respectively represent a heavy or light hydrogen atom, R<sup>3</sup> represents a heavy or light hydrogen atom or a methyl group in which three hydrogen atoms are respectively heavy or light hydrogen atoms, and X represents a halogen atom, a hydroxyl group or an alkoxy group.

- 13. (currently amended): A polymer produced by polymerization of a composition comprising the compound of any one of claims 1-to 11.
- 14. (original): The polymer of claim 13, wherein 50 % or more hydrogen atoms contained in the polymer are heavy hydrogen atoms.
- 15. (currently amended): An optical member comprising a region formed of a polymer of claim 13-or 14.

16. (original): The optical member of claim 15, which gives an absorbance at 910 nm being 50 % or smaller percentage of that given by a polymer having a same structure except that all hydrogen atoms are light hydrogen atoms.